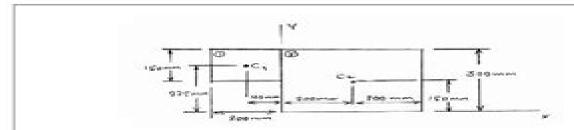
Chapter 5, Solution 1.



	A, mm²	₹,mm	y, mm	$\overline{x}4$, mm ³	$\overline{y}A$, mm ³
1	$200 \times 150 = 30000$	-100	250	-30 000 000	6750000
2	$400 \times 300 = 120000$	200	150	24000000	18/000/000
20	150000			21000000	24750000

Then
$$\bar{X} = \frac{\Sigma \bar{x}.4}{\Sigma .4} = \frac{21\,000\,000}{150\,000} \,\text{mm}$$
 or $\bar{X} = 140.0 \,\text{mm}$ \blacktriangleleft

$$\bar{Y} = \frac{\Sigma \bar{y}.4}{\Sigma .4} = \frac{24\,750\,000}{150\,000} \,\text{mm}$$
 or $\bar{Y} = 165.0 \,\text{mm}$

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Charles K. Alexander, Matthew N. O. Sadiku

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